

BEAM POWER TUBE

9-PIN MINIATURE TYPE

GENERAL DATA	
Electrical:	
Heater, for Unipotential Cathode: Voltage 6.3 Current 0.45 Direct Interelectrode Capacitances (Approx.) Grid No.1 to plate Grid No.1 to cathode, grid No.3, grid No.2, and heater	ac or dc volts amp amp μμf 8.5 μμf
Mechanical:	
Operating Position	2-3/8" 2" ± 3/32" .0.750" to 0.875" e General Section T6-1/2 n (JETEC No.E9-1)
Pin 2 - No Connection Pin 3 - Grid No.1 Pin 4 - Heater Pin 2 - No Connection Pin 3 - Grid No.1 Pin 4 - Heater	n 6-Grid No.1 n 7-Cathode, Grid No.3 n 8-No Connec- tion n 9-Plate
AMPLIFIER Class A	
Maximum Ratings, Design-Center Values:	
PLATE VOLTAGE	315 max. volts 285 max. volts 2 max. watts 12 max. watts 200 max. volts 200 max. volts
Typical Operation and Characteristics:	
Plate Voltage	250 315 volts 250 225 volts 2.5 -13 volts 2.5 13 volts 45 34 ma 47 35 ma 4.5 2.2 ma 7 6 ma
[○] ,▲: See next page.	



BEAM POWER TUBE

Plate Resistance (Approx.) 50000 STransconductance 3700 Load Resistance 5500 Total Harmonic Distortion 8 Max.—Signal Power Output 2	8	50 μmhos
		.o watts
Maximum Circuit Values:		İ
Grid-No.1-Circuit Resistance: For fixed-bias operation For cathode-bias operation	. 0.1 max.	megohm megohm
VERTICAL-DEFLECTION AMPLIF	IER	
Maximum Ratings, Design-Center Values Excep	bt as Noted	d:
For operation in a 525-line, 30-fro	_	_ 1
DC PLATE VOLTAGE	<u> </u>	- 1
PEAK POSITIVE-PULSE PLATE VOLTAGE*	315 max	x. voits
(Absolute maximum)	2000 max	x. volts
DC GRID-No.2 (SCREEN-GRID) VOLTAGE	285 max	x. volts
PEAK NEGATIVE-PULSE GRID-No.1 (CONTROL-		_
GRID) VOLTAGE	250 max	x. volts
Peak	120 max	
DC	120 max 40 max	
GRID-No.2 INPUT	1.75 max	
PLATE DISSIPATION	8 max	I
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode	200 max	
Heater positive with respect to cathode	200 ≜ max	x. volts
Maximum Circuit Values:		Í
Grid-No.1-Circuit Resistance:		
For cathode-bias operation	2.2 max	. megohms
	Ziz maxi	, megorinis
VERTICAL-DEFLECTION AMPLIF	I ED	ļ
Triode Connection	I LN	į
		.
Maximum Ratings, Design-Center Values Excep		
DC PLATE VOLTAGE	315 max	<pre> volts </pre>
PEAK POSITIVE—PULSE PLATE VOLTAGE* (Absolute maximum)	2000 [■] max	
PEAK NEGATIVE—PULSE GRID—No.1 (CONTROL—	2000 max	· volts
GRID) VOLTAGE	250 max	. volts
CATHODE CURRENT:	250 11107	
Peak	120 max	k. ma
DC	40 max	
PLATE DISSIPATION	9 max	
PEAK HEATER-CATHODE VOLTAGE:	005	. [
Heater negative with respect to cathode	200 max	
Heater positive with respect to cathode	200≜ max	c. volts
, , , , , : See next page.		
9-58 ELECTRONI TURE DIVISIONI	TENTATIN	/E DATA 1



	BEAM POWER TUBE		
CI	paracteristics:		
Gr Ar P	ate Voltage 250 volts rid-No.1 Voltage -12.5 volts mplification Factor 9.8 ate Resistance (Approx.) 1960 ohms ransconductance 5000 µmhos ate Current 49.5 ma rid-No.1 Voltage (Approx.) for rolts plate ma -37 volts		
Ma	ximum Circuit Values:		
Gı	rid-No.1-Circuit Resistance: For cathode-bias operation 2.2 max. megohms		
	Without external shield. The dc component must not exceed 100 volts. As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations," Federal Communications Commission. This rating is applicable where the duration of the voltage pulse does not exceed 15 per cent of one vertical scanning cycle. In a 525-line 30-frame system, 15 per cent of one vertical scanning cycle is 2.5 milliseconds. Under no circumstances should this absolute value be exceeded. Grid-No.2 connected to plate.		
	CURVES shown under Types 6V6 and 6V6-GT, within ratings, also apply to the 6CM6		